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06-18-01

PTO/SB/05 (11-00)

Approved for use through 10/31/2002. OMB 0651-0032

U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

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UTILITY PATENT APPLICATION TRANSMITTAL

(Only for new nonprovisional applications under 37 C.F.R. 1.53(b))

Attorney Docket No. 47867/255398

First Inventor Scott Parkhill

Title Leadframe-based Module DC Bus Design to Reduce Module Inductance

Express Mail Label No. EF079343680US

APPLICATION ELEMENTS

See MPEP chapter 600 concerning utility patent application contents.

1. ☒ Fee Transmittal Form (e.g., PTO/SB/17)
(Submit an original and a duplicate for fee processing)
2. ☐ Applicant claims small entity status.
See 37 CFR 1.27.
3. ☒ Specification [Total Pages 15]
(preferred arrangement set forth below)
 - Descriptive title of the invention
 - Cross References to Related Applications
 - Statement Regarding Fed sponsored R & D
 - Reference to sequence listing, a table, or a computer program listing appendix
 - Background of the invention
 - Brief Summary of the invention
 - Brief Description of the Drawings (if filed)
 - Detailed Description
 - Claim(s)
 - Abstract of the Disclosure
4. ☒ Drawing(s) (35 U.S.C. 113) [Total Sheets 9]
5. Oath or Declaration [Total Pages 3]
 - a. ☒ Unexecuted (original or copy)
 - b. ☐ Copy from a prior application (37 CFR 1.63 (d))
(for a continuation/divisional with Box 18 completed)
 - i. ☐ DELETION OF INVENTOR(S)
Signed statement attached deleting inventor(s) named in the prior application, see 37 CFR 1.63(d)(2) and 1.33(b).
6. ☐ Application Data Sheet. See 37 CFR 1.76

ADDRESS TO:

Assistant Commissioner for Patents
Box Patent Application
Washington, DC 20231

7. ☐ CD-ROM or CD-R in duplicate, large table or Computer Program (Appendix)
8. Nucleotide and/or Amino Acid Sequence Submission (if applicable, all necessary)
 - a. ☐ Computer Readable Form (CRF)
 - b. Specification Sequence Listing on:
 - i. ☐ CD-ROM or CD-R (2 copies); or
 - ii. ☐ paper
 - c. ☐ Statements verifying identity of above copies

ACCOMPANYING APPLICATIONS PARTS

9. ☐ Assignment Papers (cover sheet & document(s))
10. ☐ 37 C.F.R. §3.73(b) Statement ☐ Power of Attorney
(when there is an assignee)
11. ☐ English Translation Document (if applicable)
12. ☐ Information Disclosure Statement (IDS)/PTO-1449 ☐ Copies of IDS Citations
13. ☐ Preliminary Amendment
14. ☐ Return Receipt Postcard (MPEP 503)
(Should be specifically itemized)
15. ☐ Certified Copy of Priority Document(s)
(if foreign priority is claimed)
16. ☐ Request and Certification under 35 U.S.C. 122 (b)(2)(B)(i). Applicant must attach form PTO/SB/35 or its equivalent.
17. ☒ Other: Certificate of Mailing; Check #21118 for \$710

18. If a CONTINUING APPLICATION, check appropriate box, and supply the requisite information below and in a preliminary amendment, or in an Application Data Sheet under 37 CFR 1.76:

☐ Continuation ☐ Divisional ☐ Continuation-in-part (CIP)

of prior application No: _____ / _____

Prior application information: Examiner _____

Group / Art Unit: _____

For CONTINUATION or DIVISIONAL APPS only: The entire disclosure of the prior application, from which an oath or declaration is supplied under Box 5b, is considered a part of the disclosure of the accompanying or divisional application and is hereby incorporated by reference. The incorporation can only be relied upon when a portion has been inadvertently omitted from the submitted application parts.

17. CORRESPONDENCE ADDRESS

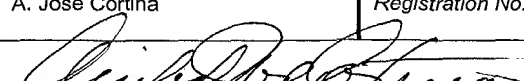
☐ Customer Number or Bar Code Label

28372

or ☐ Correspondence address below

(Insert Customer No. or Attach bar code label here)

| | | | | | |
|---------|-------------------------|-----------|----------------|----------|--------------|
| Name | A. Jose Cortina | | | | |
| | Kilpatrick Stockton LLP | | | | |
| Address | 3737 Glenwood Avenue | | | | |
| | Suite 400 | | | | |
| City | Raleigh | State | North Carolina | Zip Code | 27612 |
| Country | USA | Telephone | 919-420-1820 | Fax | 919-420-1800 |

| | | | |
|-------------------|---|-----------------------------------|---------------|
| Name (Print/Type) | A. Jose Cortina | Registration No. (Attorney/Agent) | 29,733 |
| Signature |  | Date | June 15, 2001 |

Burden Hour Statement: This form is estimated to take 0.2 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Box Patent Application, Washington, DC 20231.

FEE TRANSMITTAL for FY 2001

Patent fees are subject to annual revision.

Complete if Known

Application Number Unassigned

Filing Date Herewith

First Named Inventor Scott Parkhill

Examiner Name Unassigned

Group / Art Unit Unassigned

Attorney Docket No. 47867/255398

TOTAL AMOUNT OF PAYMENT (\$ 710

METHOD OF PAYMENT (check one)

1. ☐ The Commissioner is hereby authorized to charge indicated fees and credit any over payments to:

Deposit
Account
Number

16-1435

Deposit
Account
Name

Kilpatrick Stockton LLP

☒ Charge Any Additional Fee Required
Under 37 CFR 1.16 and 1.17

☐ Applicant claims small entity status.
See 37 CFR 1.27

2. ☒ Payment Enclosed:

☒ Check ☐ Credit card ☐ Money
Order ☐ Other

FEE CALCULATION

1. BASIC FILING FEE

| Large Fee Code | Entity Fee (\$) | Small Fee Code | Entity Fee (\$) | Fee Description | Fee Paid |
|----------------------|-----------------------|----------------------|-----------------------|------------------------|----------|
| 101 | 710 | 201 | 355 | Utility filing fee | 710 |
| 106 | 320 | 206 | 160 | Design filing fee | |
| 107 | 490 | 207 | 245 | Plant filing fee | |
| 108 | 710 | 208 | 355 | Reissue filing fee | |
| 114 | 150 | 214 | 75 | Provisional filing fee | |

SUBTOTAL (1)

(\$ 710

2. EXTRA CLAIM FEES

| Total Claims | Extra Claims | Fee from below | Fee Paid |
|-----------------------|-----------------|-------------------|-------------|
| 20 | -20 = 0 | X 18 | = 0 |
| Independent Claims | 3 | -3 = 0 | X 80 = 0 |
| Multiple Dependent | | X | = 0 |

| Large Fee Code | Entity Fee (\$) | Small Fee Code | Entity Fee (\$) | Fee Description |
|----------------------|-----------------------|----------------------|-----------------------|--|
| 103 | 18 | 203 | 9 | Claims in excess of 20 |
| 102 | 80 | 202 | 40 | Independent claims in excess of 3 |
| 104 | 270 | 204 | 135 | Multiple dependent claim, if not paid |
| 109 | 80 | 209 | 40 | ** Reissue independent claims over original patent |
| 110 | 18 | 210 | 9 | ** Reissue claims in excess of 20 and over original patent |

SUBTOTAL (2)

(\$ 0

**or number previously paid, if greater; For Reissues, see above

FEE CALCULATION (continued)

| Large Entity Fee Code | Large Entity Fee (\$) | Small Entity Fee Code | Small Entity Fee (\$) | Fee Description | Fee Paid |
|--------------------------------|--------------------------------|--------------------------------|--------------------------------|--|-------------|
| 105 | 130 | 205 | 65 | Surcharge - late filing fee or oath | |
| 127 | 50 | 227 | 25 | Surcharge - late provisional filing fee or cover sheet. | |
| 139 | 130 | 139 | 130 | Non-English specification | |
| 147 | 2,520 | 147 | 2,520 | For filing a request for reexamination | |
| 112 | 920* | 112 | 920* | Requesting publication of SIR prior to Examiner action | |
| 113 | 1,840* | 113 | 1,840* | Requesting publication of SIR after Examiner action | |
| 115 | 110 | 215 | 55 | Extension for reply within first month | |
| 116 | 390 | 216 | 195 | Extension for reply within second month | |
| 117 | 890 | 217 | 445 | Extension for reply within third month | |
| 118 | 1,390 | 218 | 695 | Extension for reply within fourth month | |
| 128 | 1,890 | 228 | 945 | Extension for reply within fifth month | |
| 119 | 310 | 219 | 155 | Notice of Appeal | |
| 120 | 310 | 220 | 155 | Filing a brief in support of an appeal | |
| 121 | 270 | 221 | 135 | Request for oral hearing | |
| 138 | 1,510 | 138 | 1,510 | Petition to institute a public use proceeding | |
| 140 | 110 | 240 | 55 | Petition to revive - unavoidable | |
| 141 | 1,240 | 241 | 620 | Petition to revive - unintentional | |
| 142 | 1,240 | 242 | 620 | Utility issue fee (or reissue) | |
| 143 | 440 | 243 | 220 | Design issue fee | |
| 144 | 600 | 244 | 300 | Plant issue fee | |
| 122 | 130 | 122 | 130 | Petitions to the Commissioner | |
| 123 | 130 | 123 | 130 | Petitions related to provisional applications | |
| 126 | 180 | 126 | 180 | Submission of Information Disclosure Stmt | |
| 581 | 40 | 581 | 40 | Recording each patent assignment per property (times number of properties) | |
| 146 | 710 | 246 | 355 | Filing a submission after final rejection (37 CFR § 1.129(a)) | |
| 149 | 710 | 249 | 355 | For each additional invention to be examined (37 CFR § 1.129(b)) | |
| 179 | 710 | 279 | 355 | Request for Continued Examination (RCE) | |
| 169 | 900 | 169 | 900 | Request for expedited examination of a design application | |

Other fee (specify) _____

*Reduced by Basic Filing Fee Paid

SUBTOTAL (3)

(\$ 0

SUBMITTED BY

Name (Print/Type)

A. Jose Cortina

Registration No. Attorney/Agent)

29,733

Telephone

919-420-1820

Signature

A. Jose Cortina

Date

June 15, 2001

WARNING: Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038.

Burden Hour Statement: This form is estimated to take 0.2 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.

CERTIFICATE OF EXPRESS MAILING UNDER 37 CFR 1.10

Express Mail mailing label number: EF079343680US

Applicants: Scott Parkhill, Sayeed Ahmed, and Fred Flett

Title: Leadframe-based Module DC Bus Design to Reduce Module Inductance

Date of Deposit: June 15, 2001

Type of Document(s): Transmittal of Application for Filing Under 37 C.F.R. 1.53 and Certificate of Express Mailing (2 pages); Utility Patent Application Transmittal (1 page); Fee Transmittal Form (1 page); Specification (15 pages including 20 claims and Abstract); Drawings (9 sheets); Unsigned Declaration for Patent Application (3 pages); Check #21118 in the amount of \$710; Return postcard.

Serial No.: Unassigned

Filing Date: Herewith

TRANSMITTAL LETTER UNDER 37 CFR 1.53

Sir:

Enclosed for filing is the above-identified application consisting of a specification as prescribed by 35 U.S.C. 112, containing a description pursuant to 37 C.F.R. 1.71 and at least one claim pursuant to 37 C.F.R. 1.75, and drawings required by 37 C.F.R. 1.81(a).

The inventors in this application are set forth as follows:

| NAME | ADDRESS | CITIZENSHIP |
|----------------|---|-------------|
| Scott Parkhill | 26738 Sheringham Road Perrysburg, Ohio 43551 | USA |
| Sayeed Ahmed | 5634 Fordham Circle, #201 Canton, Michigan 48187 | Bangladesh |
| Fred Flett | 4031 Pine Tree Trail Bloomfield, Michigan 48302 | British |

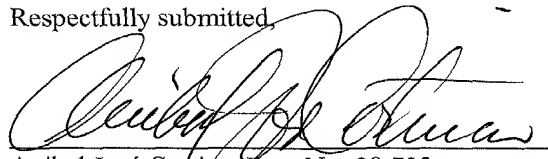
09882708-061501

In addition, also attached is an unexecuted inventorship Declaration showing the necessary inventorship information, and an Application Transmittal form setting forth the necessary details concerning the application as filed.

Please direct all correspondence to:

Anibal José Cortina, Reg. No. 29,733
Kilpatrick Stockton LLP
3737 Glenwood Avenue, Suite 400
Raleigh, North Carolina 27612
Telephone: 919-420-1820
Telecopier: 919-420-1800
Customer No. 28372

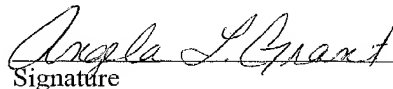
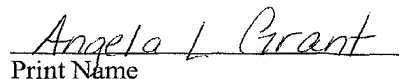
Respectfully submitted,



Anibal José Cortina, Reg. No. 29,733
Kilpatrick Stockton LLP
3737 Glenwood Avenue, Suite 400
Raleigh, North Carolina 27612
Telephone: 919-420-1820
Telecopier: 919-420-1800
Customer No. 28372

CERTIFICATE OF MAILING UNDER 37 C.F.R. 1.10

I hereby certify that the documents identified above are being deposited with the United States Postal Service "Express Mail Post Office to Addressee" service under 37 CFR 1.10 on June 15, 2001, addressed to the Assistant Commissioner for Patents, Box Patent Application, Washington, D.C. 20231.


Signature
Print Name

09682708-061501

PATENT APPLICATION SERIAL NO. _____

U.S. DEPARTMENT OF COMMERCE
PATENT AND TRADEMARK OFFICE
FEE RECORD SHEET

06/20/2001 TGEDAMU1 00000058 09882708

01 FC:101

710.00 OP

PTO-1556
(5/87)

*U.S. GPO: 2000-468-987/39595